

Amendments to the Claims:

Please cancel Claims 28 through 43 without prejudice to or disclaimer of the subject matter recited therein.

Please add Claims 44 through 54 to read, as follows.

Claims 28 through 43. (Canceled)

--44. (New) An image forming apparatus, comprising:
an image bearing member on which a latent image is formed with a developer including a carrier and a toner;
developing means for developing the latent image formed on said image bearing member with a developer including a carrier and a toner;
supplying means for supplying the toner to said developing means;
detecting means for detecting information corresponding to a magnetic permeability of the developer;
counting means for counting pixel information corresponding to the image information; and
controlling means for selecting between a first mode in which an amount of the toner supplied from said supplying means to said developing means is controlled on the basis of an output from said detecting means and a second mode in which the amount of the toner supplied from said supplying means to said developing means is controlled on the basis of an output from said counting means,

wherein said controlling means selects between said first mode and said second mode in accordance with a difference value between a value obtained by a detecting operation performed by said detecting means and a value obtained by a detecting operation performed immediately before the detecting operation.

45. (New) An image forming apparatus according to Claim 44, wherein when the difference value is equal to or larger than a predetermined value, said controlling means selects the second mode.

46. (New) An image forming apparatus according to Claim 45, wherein after said controlling means performs the second mode for a predetermined period of time, said controlling means switches from the second mode to the first mode.

47. (New) An image forming apparatus according to Claim 45, wherein after said controlling means performs a predetermined number of image formations in the second mode, said controlling means switches from the second mode to the first mode.

48. (New) An image forming apparatus, comprising:
an image bearing member on which a latent image corresponding to image information is formed;
developing means for developing the latent image formed on said image bearing member with a developer including a carrier and a toner;
supplying means for supplying the toner to said developing means;

detecting means for detecting information corresponding to a magnetic permeability of the developer;

counting means for counting pixel information corresponding to the image information; and

controlling means for selecting between a first mode in which an amount of the toner supplied from said supplying means to said developing means is controlled on the basis of an output from said detecting means and a second mode in which the amount of the toner supplied from said supplying means to said developing means is controlled on the basis of the output from said detecting means and an output from said counting means,

wherein said controlling means selects between said first mode and said second mode in accordance with a difference value between a value obtained by a detecting operation performed by said detecting means and a value obtained by a detecting operation performed immediately before the detecting operation.

49. (New) An image forming apparatus according to Claim 48, wherein when the difference value is equal to or larger than a predetermined value, said controlling means selects the second mode.

50. (New) An image forming apparatus according to Claim 49, wherein in the second mode, said controlling means gives a weight using a predetermined coefficient to an output from said detecting means and an output from said counting means to calculate an amount of the toner to be supplied.

51. (New) An image forming apparatus according to Claim 50, wherein said controlling means assigns a value corresponding to the output from said detecting means to the predetermined coefficient.

52. (New) An image forming apparatus according to Claim 50, wherein said controlling means changes the predetermined coefficient so that a weight of the output from said detecting means becomes larger in accordance with an increase in a number of image formations.

53. (New) An image forming apparatus according to Claim 49, wherein after said controlling means performs the second mode for a predetermined period of time, said controlling means switches from the second mode to the first mode.

54. (New) An image forming apparatus according to Claim 49, wherein after said controlling means performs a predetermined number of image formations in the second mode, said controlling means switches from the second mode to the first mode.--